

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(I) APPLICANT:
Lacroix, Jean-Michel

(ii) TITLE OF INVENTION: METHOD AND KIT FOR QUANTITATION AND
NUCLEIC ACID SEQUENCING OF NUCLEIC ACID ANALYTES IN A SAMPLE

(iii) NUMBER OF SEQUENCES: 7

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Oppedahl & Larson

(B) STREET: PO Box 5068

(C) CITY: Dillon

(D) STATE: CO

(E) COUNTRY: US

(F) ZIP: 80435-5068

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage

(B) COMPUTER: IBM compatible

(C) OPERATING SYSTEM: MS DOS

(D) SOFTWARE: Word Perfect

(vi) CURRENT APPLICATION DATA :

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION :

(A) NAME: Larson, Marina T.

(B) REGISTRATION NUMBER: 32,038

(C) REFERENCE/DOCKET NUMBER: VGEN.P-054

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 970 468 6600

(B) TELEFAX: 970 468 0104

(C) TELEX:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 433

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: genomic RNA

- (iii) HYPOTHETICAL: no
- (iv) ANTI-SENSE: no
- (v) FRAGMENT TYPE: internal
- (vi) ORIGINAL SOURCE:
- (A) ORGANISM: HIV-1
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

AAAAGTTAAA CAATGGCCAT TGACAGAAGA AAAAATAAAA GCATTAGTAG 50
AAATTTGTAC AGAGATGGAA AAGGAAGGGA AAATTTCAAA AATTGGGCCT 100
GAAAATCCAT ACAATACTCC AGTATTTGCC ATAAAGAAAA AAGACAGTAC 150
TAAATGGAGA AAATTAGTAG ATTTTCAGAGA ACTTAATAAG AGAACTCAAG 200
ACTTCTGGGA AGTTCAATTA GGAATACCAC ATCCCGCAGG GTTAAAAAAG 250
AAAAAATCAG TAACAGTACT GGATGTGGGT GATGCATATT TTTCAGTTCC 300
CTTAGATGAA GACTTCAGGA AGTATACTGC ATTTACCATA CCTAGTATAA 350
ACAATGAGAC ACCAGGGATT AGATATCAGT ACAATGTGCT TCCACAGGGA 400
TGGAAGGAT CACCAGCAAT ATTCCAAAGT AGC 433

- (2) INFORMATION FOR SEQ. ID NO: 2:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 56
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULAR TYPE: other nucleic acid
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (v) FRAGMENT TYPE: internal
 - (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GGCCATTGAC AGTCCTAAAT AAATAGCAAA GAAAAAATAA AAGCATTAGT AGAAAT 56

- (2) INFORMATION FOR SEQ. ID NO: 3:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 30
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULAR TYPE: other nucleic acid
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (v) FRAGMENT TYPE: internal
 - (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

TGCTGGTGAT CCTTTGGATC CCTGTGGAAG 30

- (2) INFORMATION FOR SEQ. ID NO: 4:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 26
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULAR TYPE: other nucleic acid
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (v) FRAGMENT TYPE: internal
 - (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

AAAAGTTAAA CAATGGCCAT TGACAG 26

- (2) INFORMATION FOR SEQ. ID NO: 5:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 27
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULAR TYPE: other nucleic acid
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (v) FRAGMENT TYPE: internal
 - (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
- GCTACTTTGG AATATTGCTG GTGATCC 27

- (2) INFORMATION FOR SEQ. ID NO: 6:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 26
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULAR TYPE: other nucleic acid
 - (iii) HYPOTHETICAL: NO
 - (iv) ANTI-SENSE: NO
 - (v) FRAGMENT TYPE: internal
 - (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GTAAACAAT GGCCATTGAC AGAAGA 26

- (2) INFORMATION FOR SEQ. ID NO: 7:
- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULAR TYPE: other nucleic acid
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO
- (v) FRAGMENT TYPE: internal
- (vi) ORIGINAL SOURCE:
 - (A) ORGANISM: HIV-1
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GGAATATTGC TGGTGATCCT TTCC 24